

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Dugan Production Corp.

3. ADDRESS OF OPERATOR

Box 208, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

660' FSL - 2060' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 miles northwest of Montezuma Creek, Utah

16. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT. approx. 1 mile

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4966 GL

5. LEASE DESIGNATION AND SERIAL NO.

SL 067701

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Bluff Unit

8. FARM OR LEASE NAME

Bluff

9. WELL NO.

#15

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 28 T39S R23E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16. NO. OF ACRES IN LEASE

2547.48

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION*

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4966 GL

22. APPROX. DATE WORK WILL START*

1-15-80

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.30	300'	150 SX
8-3/4"	7"	23#	5790'	1200 cu ft in two stages

Plan to drill 8-3/4" hole w/mud to test the Ismay and Desert Creek formations.
If zones are productive, plan to set 7" casing, cement in two stages.

Conoco will assume operation of well and deepen w/6-1/4" hole to 7750' to test
Mississippian Formation. After tests are complete, Conoco will plug back to 7"
casing and Dugan Production Corp. will complete by selectively perforating and
acidizing the Ismay and Desert Creek formations.

If the Ismay and Desert Creek formations are non-productive, the 7" casing will not
be set and the 8-3/4" hole will be continued to test the Mississippian Formation.

A 10" 900 series BOP will be used during drilling operations.

1 6" 900 series BOP will be used during completion operations.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive
zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout
preventer program, if any.

24.

SIGNED

Thomas A. Dugan

TITLE Petroleum Engineer

DATE

11-12-79

(This space for Federal or State office use)

PERMIT NO.

"APPROVAL TO FLARE GRANTED"
WHILE DRILLING AND TESTING"

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

API # 15-43-037-30534

X opr

*See Instructions On Reverse Side

APPROVED
AS AMENDEDJAN 11 1980
James F. Sims
DISTRICT ENGINEERAPPROVED FOR A PERIOD
NOT TO EXCEED 1 YEAR.

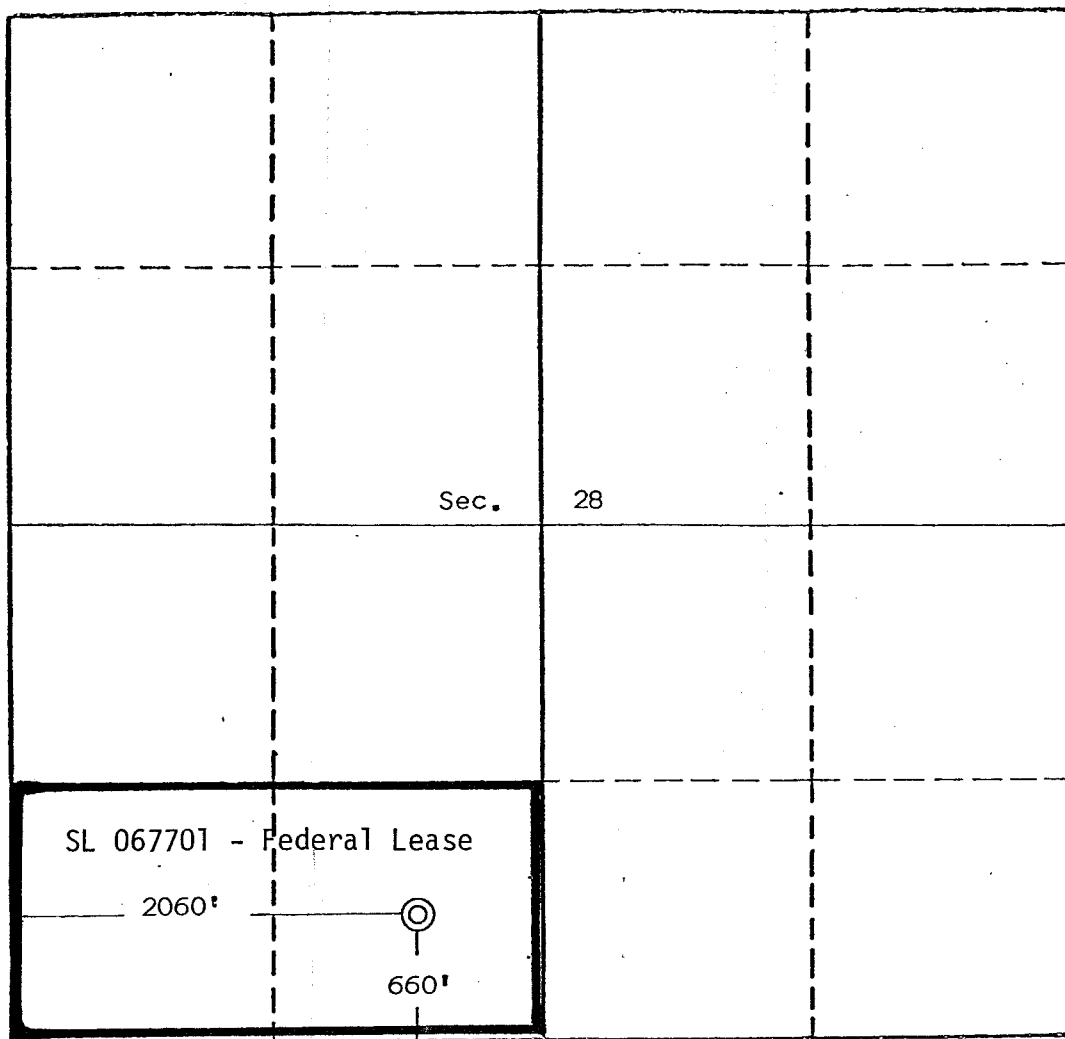
Company Dugan Production Corporation

Well Name & No. Bluff Unit No. 15

Location 660' F/SL 2060' F/WL

Sec. 28, T. 39 S., R. 23 E., S. L. M., County San Juan, Utah

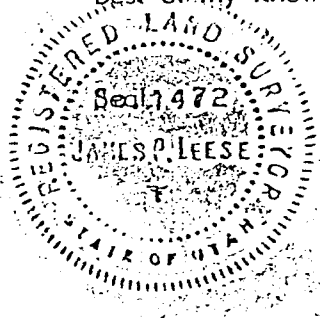
Ground Elevation 4966

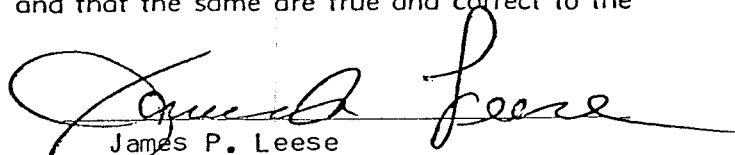


Scale, 1 inch = 1,000 feet

Surveyed October 4, 1979

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.




James P. Leese
Registered Land Surveyor
Utah Reg. No. 1472



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

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Chairman

JOHN L. BELL
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THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE MCINTYRE

February 8, 1980

Dugan Production Corporation
Box 208
Farmington, New Mexico 87401

Re: Well No. Bluff Unit #14, Sec. 30, T. 39S, R. 23E., San Juan County, Utah
Well No. Bluff Unit #15, Sec. 28, T. 39S, R. 23E., San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are #14 - 43-037-30533;
#15 - 43-037-30534.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder / atm
Michael T. Minder
Geological Engineer

/btm

cc: USGS

UNITED STATES 1 File
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL

WELL ☒

GAS

WELL ☐

OTHER

SINGLE

ZONE ☐

MULTIPLE

ZONE ☐

2. NAME OF OPERATOR

DUGAN PRODUCTION CORP.

3. ADDRESS OF OPERATOR

P O Box 208, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

660' FSL - 2060' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 miles northwest of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

2547.48

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

± 1/2 mile

19. PROPOSED DEPTH

7750'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4966' GL; 4978' RKB

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	47	260'	247 cf
8-3/4"	7" 4 1/2"	23-10.5#	5790'	1200 cf in 2 stages

Plan to drill 8-3/4" hole with mud to test the Ismay and Desert Creek formations. Plan to run logs, and, if zones are productive, plan to set 7" casing, cement in two stages, selectively perforate, frac, clean out after frac, and complete well.

A 10" 900 series BOP will be used during drilling operations.

A 6" 900 series BOP will be used during completion operations.

RECEIVED
JAN 16 1984DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Sherman E. Dugan

TITLE

Geologist

DATE 1-5-84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE: 1/18/84

BY: [Signature]

*See Instructions On Reverse Side

Surface Management Stipulations
To Be Included in APD

Company Dugan Production
Well # Bluff 15
Date of Inspection 10-29-84
Provided by Carlos Salazar

1. All above ground structures and equipment will be painted with the following non-glare color.

<input checked="" type="checkbox"/> Brown	Fed. Standard	595a - 30318
<input type="checkbox"/> Green	Fed. Standard	595a - 34127
<input type="checkbox"/> Gray	Fed. Standard	595a - 36357
<input type="checkbox"/> Sand	Fed. Standard	595a - 30277

2. Compacted areas will be plowed or ripped to a depth of ¹²4 to 16 inches before reseeding. Seed will be drilled to a depth of .5 to .75 inch or broadcast and followed by a drag or packer. If broadcast, the recommended seed mix will be applied at 150% of the recommended rate. The following seed mix will be used.

<u>SPECIES</u>	<u>lbs./acre/PLS</u>
Crested Wheatgrass	
Slender Wheatgrass	
Smooth Brome	
Orchardgrass	
Yellow Sweetclover	
Sainfoin	
Western Wheatgrass	
Sand Dropseed	
Alkali Sacaton	2
Indian Ricegrass	1
Galleta	1
Needle-N-Thread	
Squirrel tail	
Side Oats Grama	
Four-Wing Saltbush	
Shadscale	2
Cliffrose	
Antelope Sitterbrush	
Timothy	
Winter-Fat	

(Purity X Germination = PLS)

3. ☐ Topsoil will be removed and stockpiled for use in revegetating the site.
4. ☐ Upon abandonment, the well pad will be fenced with a standard five-strand barbed wire fence, or equivalent and will have no gates. The fence will be maintained for two years to allow for seeding establishment and will then be removed.
5. ☒ Access roads not needed for through traffic will be barricaded and reseeded in accordance with #2. Water bars will be constructed to the following specifications.

<u>% Slope</u>	<u>Slope Distance</u>
Less than 1%	300-400 feet
1% - 5%	200-300 feet
5% - 15%	100-200 feet
15% - 25%	50-100 feet
Greater than 25%	25-50 feet

6. ☒ Other

1) Culverts (36" in diameter) will be placed in the two wash crossings discussed during the onsite inspection.

2) A berm (18" high) will be constructed on the side of the well pad that is nearest the edge of the bluff.

Dugan Production
Bluff Unit 15 Well
SL-067701
T. 39 S., R. 23 E., Sec. 28

CONDITIONS OF APPROVAL

All site security guidelines identified in 43 CFR 3162.7 and regulations will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the San Juan Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

Produced waste water will be confined to a (~~lined~~/unlined) pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

Your contact with the District Office is:

Robert (Bob) Graff, Petroleum Engineer

Office Phone: 801-259-6111 Ext 216 Home Phone: 801-259-6088

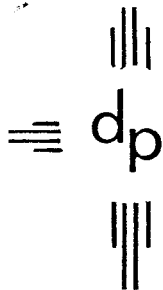
Address: 82 East Dogwood, P.O. Box 970
Moab, Utah 84532

Resource Area Manager's address and contacts are: San Juan Resource Area

Ed Scherick, Area Manager

Office Phone: 801-587-2201

Home Phone: 801-587-2439



dugan production corp.

December 5, 1983

Bureau of Land Management
1745 W. 1700 S.
Salt Lake City, UT 84104

Gentlemen:

Under the requirements of NTL-6, Section II-A, we are requesting preliminary environmental review for approval to stake the following well location to be drilled by Dugan Production Corp.

Township 39 South, Range 23 East
Section 29: SW/4 SE/4
San Juan County, Utah

(Bluff Unit #16)

Enclosed is a topographic map showing the proposed well location.

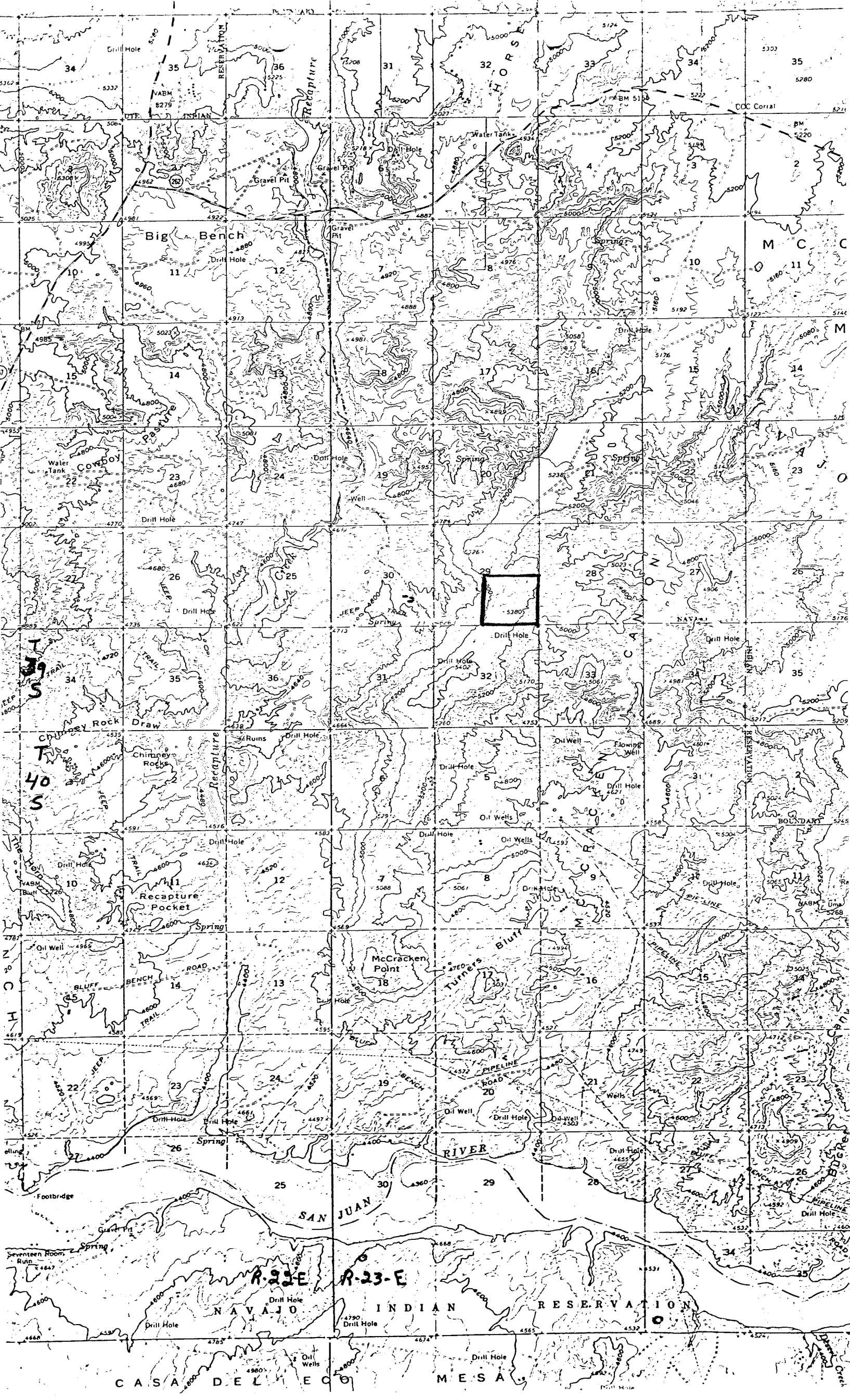
Sincerely,

Sherman E. Dugan
Geologist

fp

Encl.

cc: Utah Oil & Gas Conservation Commission
4241 State Office Building
Salt Lake City, UT 84114



OPERATOR

Dugan Production Corp

DATE

1-17-84

WELL NAME

Bluff Unit #15

SEC

SESW 28

T

39S

R

23E

COUNTY

San Juan

43-037-30979

API NUMBER

Oil

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

Unit well -
Water

CHIEF PETROLEUM ENGINEER REVIEW:

1/18/84

APPROVAL LETTER:

SPACING:

☒

A-3

Bluff Unit
UNIT

☐

c-3-a

CAUSE NO. & DATE

☐

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

Water

☒

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒

AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒

VERIFY ADEQUATE AND PROPER BONDING

☒

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐

APPLY SPACING CONSIDERATION

☐

ORDER _____

☒

UNIT Bluff Unit

☐

c-3-b

☐

c-3-c

☒

CHECK DISTANCE TO NEAREST WELL.

☐

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

☐

VERIFY LEGAL AND SUFFICIENT DRILLING WATER

January 18, 1984

Dugan Production Corporation
P. O. Box 208
Farmington, NM 87499

Re: Well No. Bluff Unit #15
SESW Sec. 28, T. 39S, R. 23E
660' FSL, 2060' FWL
San Juan County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Chief Petroleum Engineer, Telephone (801) 533-5771 (Office), 571-5068 (Home).

The API number assigned to this well is 43-037-30979.

Sincerely,



R. J. Firth
Chief Petroleum Engineer

RJF/gl
cc: Branch of Fluid Minerals
Enclosures

5 BLM, Moab 1 Stewart 1 Tenneco 1 State of Utah 1 File

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other

2. NAME OF OPERATOR
DUGAN PRODUCTION CORP.

3. ADDRESS OF OPERATOR
P O Box 208, Farmington, NM 87499

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FSL - 2060' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>

(other) Schedule of dirt construction, drilling & completion operations

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Dugan Production Corp. is notifying your office that dirt construction, drilling and completion operations for the proposed #15 Bluff Unit, as per BLM stipulations on approved APD dated 1-5-84 (approved on 1-18-84), is scheduled for the middle or end of October, 1984. This office will notify you upon initial commencement.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Sherman E. Dugan TITLE Geologist DATE 9-21-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

NOV 05 1984

**DIVISION OF OIL
GAS & MINING**

November 2, 1984

Dugan Production Corporation
P.O. Box 208
Farmington, NM 87499

Dear Applicant:

RE: TEMPORARY APPLICATION
NUMBER 09-1386 (T60330)

Enclosed is a copy of approved Temporary Application Number 09-1386 (T60330). This is your authority to construct your works and to divert the water for the uses described.

While this approved application does give you our permission to divert and use water, it does not grant easements through public or private lands in order to gain access to the source nor to convey the water to the place of use, nor does this approval eliminate the need for such other permits as may be required by this Division or any other agency in implementing your diversion.

This application will expire April 7, 1985, and it is expected that no diversion or use of the water will be done after that date unless another proposal has been made and approved.

Your contact with this office, should you need it is with the Area Engineer, Mark Page. The telephone number is (801)637-1303.

Yours truly,

TEMPORARY

Dee C. Hansen, P. E.
State Engineer

DCH:slm

Encl.: Copy of approved Temporary Application

TEMPORARY

STATE OF UTAH

Application No. T 60330

09-1386

[illegible]

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

SEP 21 1964

1. Irrigation ☐ Domestic ☐ Stockwatering ☐ Municipal ☐ Power ☐ Mining ☐ Other Uses ☒
2. The name of the applicant is _____ Dugan Production Corp.
3. The Post Office address of the applicant is _____ P O Box 208, Farmington, NM 87499
4. The quantity of water to be appropriated _____ second-feet and/or _____ 1½ _____ acre-feet
5. The water is to be used for _____ Drilling Oil Well _____ from _____ October 7, 1984 _____ to _____ April 7, 1985 _____
(Major Purpose) (Month) (Day) (Month) (Day)
- other use period _____ from _____ to _____
(Minor Purpose) (Month) (Day) (Month) (Day)
- and stored each year (if stored) from _____ to _____
(Month) (Day) (Month) (Day)
6. The drainage area to which the direct source of supply belongs is _____
(Leave Blank)
7. The direct source of supply is* _____ San Juan River _____
(Name of stream or other source)
- which is tributary to _____, tributary to _____
- *Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.
8. The point of diversion from the source is in _____ San Juan _____ County, situated at a point*
_____ 500' FWL and 100' FSL Sec. 32 T40S R24E _____
_____ The bridge across San Juan River, near the town of Montezuma Creek, Utah _____
_____ N. 100 ft. & E. 500 ft. from SW Cor. Sec. 32, T40S, R24E, SLB&M. (Montezuma Creek) _____
- *Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.
9. The diverting and carrying works will consist of _____ water hauling trucks _____
10. If water is to be stored, give capacity of reservoir in acre-feet _____ height of dam _____
area inundated in acres _____ legal subdivision of area inundated _____
11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:

_____ Total _____ Acres
12. Is the land owned by the applicant? Yes _____ No ☒ If "No," explain on page 2.
13. Is this water to be used supplementally with other water rights? Yes _____ No _____
If "yes," identify other water rights on page 2.
14. If application is for power purposes, describe type of plant, size and rated capacity. _____
15. If application is for mining, the water will be used in _____ Mining District at
the _____ mine, where the following ores are mined _____
16. If application is for stockwatering purposes, number and kind of stock watered _____
17. If application is for domestic purposes, number of persons _____, or families _____
18. If application is for municipal purposes, name of municipality _____
19. If application is for other uses, include general description of proposed uses _____ Water to be used
for drilling & completion fluids for oil well.
20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. _____ SE¼ SW¼ Sec. 28 T39S R23E, 2060' FWL & 660' FSL _____
_____ San Juan County, Utah N. 660 ft. & E. 2060 ft. from SW Cor. Sec. 28, T39S, R23E, _____
21. The use of water as set forth in this application will consume _____ 1½ _____ second-feet and/or acre-
feet of water and _____ second feet and/ or acre feet will be returned to the natural
stream or source at a point described as follows: _____ water will be used for drilling
and completion of oil well.

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Dugan Production Corp. is applying for the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah. One & one-half acre feet, secured from the San Juan River. The point of diversion from the source is 500' FWL and 100' FSL Sec. 32 T40S R24E; the bridge across the San Juan River, near the town of Montezuma Creek, Utah will be necessary for drilling and completion fluids for the proposed #15 Bluff Unit well in SE¼ of SW¼ Sec. 28 T39S R23E, 2060' FWL & 660' FSL, San Juan County, Utah.

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

Sherman E. Dugan

Signature of Applicant*

Sherman E. Dugan

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, }
County of..... } ss

On the day of, 19....., personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

(SEAL)

LEMBOVBA

Notary Public

FEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

Flow rate — c.f.s.	Cost
0.0 to 0.1	\$ 15.00
over 0.1 to 0.5	30.00
over 0.5 to 1.0	45.00
over 1.0 to 15.0	45.00 plus \$7.50 for each cfs above the first cubic
over 15.0	150.00 foot per second.

Storage — acre-feet	
0 to 20	22.50
over 20 to 500	45.00
over 500 to 7500	45.00 plus \$7.50 for each 500 a.f. above the first
over 7500	150.00 500 acre feet.

(This section is not to be filled in by applicant)

STATE ENGINEER'S ENDORSEMENTS

1. SEPT 24, 1984 Application received by mail over counter in State Engineer's office by SP
2. Priority of Application brought down to, on account of
3. 10-1-84 Application fee, \$ 15.00, received by SP Rec. No. 16644
4. Application microfilmed by Roll No.
5. 10-1-84 Indexed by am Platted by
6. 9-24-84 Application examined by SP
7. Application returned, or corrected by office
8. Corrected Application resubmitted by mail over counter to State Engineer's office.
9. Application approved for advertisement by
10. Notice to water users prepared by
11. Publication began; was completed
Notice published in
12. Proof slips checked by
13. Application protested by
14. Publisher paid by M.E.V. No.
15. Hearing held by
16. Field examination by
17. 9-24-84 Application designated for approval SP 56.
rejection
18. 11/2/84 Application copied or photostated by slm proofread by
19. 11/2/84 Application approved
~~xxxxxx~~
20. Conditions:

This Application is approved, subject to prior rights, as follows:

- a. Actual construction work shall be diligently prosecuted to completion.
- b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR
- c. TEMPORARY APPROVAL -- EXPIRES April 7, 1985.

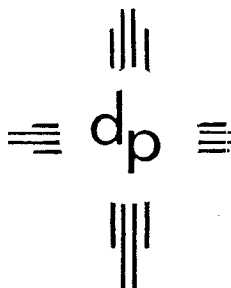
Dee C. Hansen
Dee C. Hansen, P.T., State Engineer

21. Time for making Proof of Appropriation extended to
22. Proof of Appropriation submitted.
23. Certificate of Appropriation, No., issued

TEMPORARY

Application No. T60330
09-1386

WATER RIGHTS DATA BASE
ENTERED - DATE 9/24/84 BY SP
VERIFIED - DATE 11/2/84 BY SP



dugan production corp.

JIM JACOBS — 12-14-83
jim was asked to submit
a new and complete APP,
and was advised about the
need for water right
verification

December 5, 1983

Bureau of Land Management
1745 W. 1700 S.
Salt Lake City, UT 84104

RE: Dugan Production Corp.
Bluff Unit #15 Well
660' FSL ~ 2060' FWL
Sec. 28, T29S, R23E
San Juan County, Utah

Gentlemen:

Insofar as Dugan Production Corp. is concerned, reapproval to drill the above-referenced oil well is hereby resubmitted. A copy of the previously approved permit to drill, Form 9-331-C, is enclosed for your convenient reference.

Sincerely,

Sherman E. Dugan
Geologist

fp

Encl.

cc: Utah Oil & Gas Conservation Commission
4241 State Office Building
Salt Lake City, UT 84114

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

DUGAN PRODUCTION CORP.

3. ADDRESS OF OPERATOR

P O Box 208, Farmington, 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

660' FSL - 2060' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approx. 17.5 miles Northwest of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 660' FSL
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

2547.48

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.1/2 mi. south,
DPC Underwood

19. PROPOSED DEPTH

5790'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5056' GL

22. APPROX. DATE WORK WILL START*

ASAP

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	300'	277 cf circ. to surface
7-7/8"	4-1/2"	11.6 & 10.5#	5790'	1586 cf circ. to surface in 2 stages

Plan to drill 7-7/8" hole with mud to test the Ismay and Desert Creek zones of the upper member in the Paradox formation. Plan to run logs, & if zones deemed productive, plan to set 4 1/2" casing, cement in 2 stages, selectively perforate, frac, clean out after frac and complete well.

RECEIVED
DEC 27 1984DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Sherman E. Dugan
Sherman E. Dugan

TITLE

Geologist

DATE

10-31-84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

/S/ GENE NODINE

DISTRICT MANAGER

APPROVED BY

TITLE

DATE

21 DEC 1984

CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF
GAS IS SUBJECT OF NTL 4-A
DATED 1/1/80

CONDITIONS OF APPROVAL ATTACHED
*See Instructions On Reverse Side

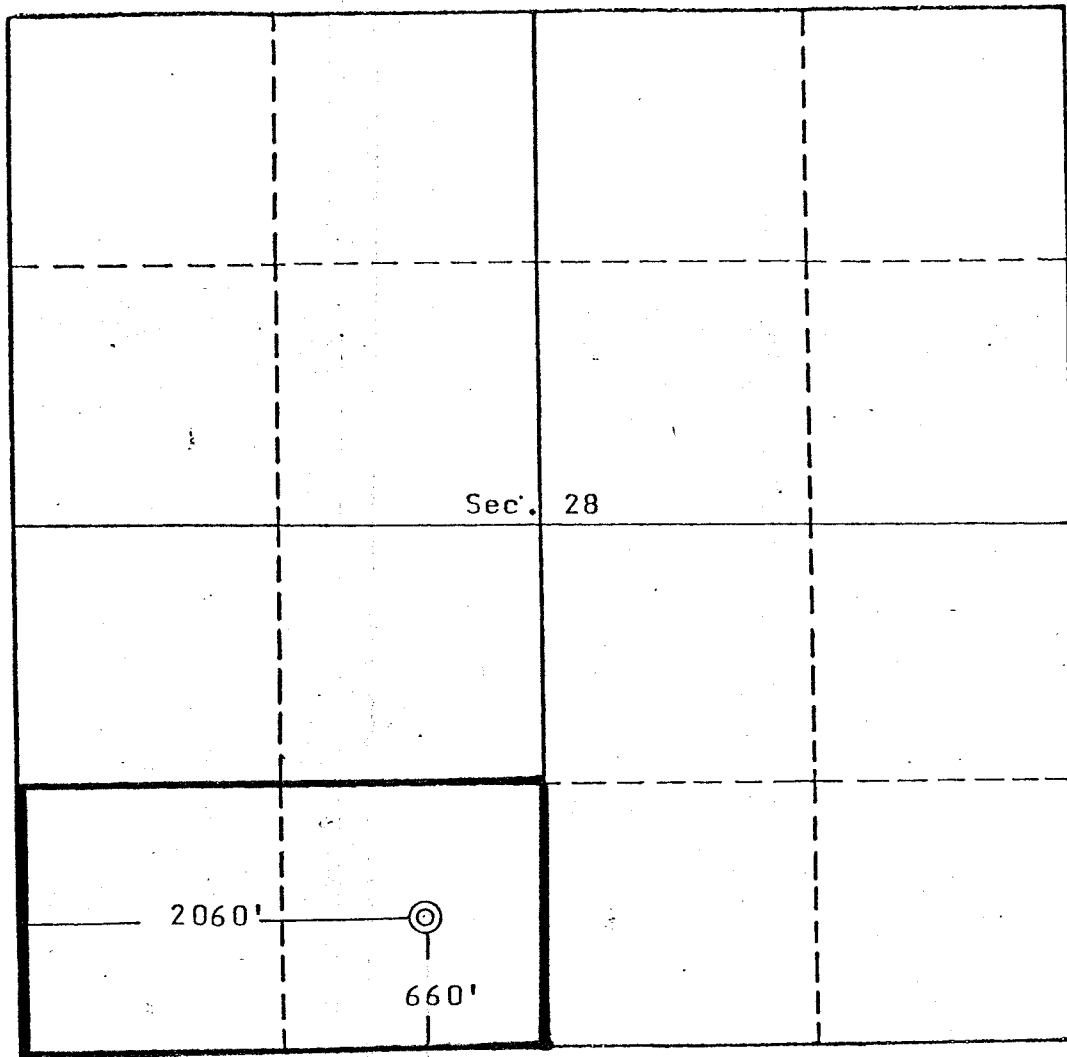
Company Dugan Production Corporation

Well Name & No. Bluff Unit No. 15

Location 660' F/SL 2060' F/WL

Sec. 28, T. 39 S., R. 23 E., S. L. M., County San Juan, Utah

Ground Elevation 5056



Scale, 1 inch = 1,000 feet

Surveyed October 23, 1984

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:



Edgar L. Risenhoover
Edgar L. Risenhoover
Registered Land Surveyor
New Mexico Reg. No. 5979

Non-resident certification as
authorized by Utah State Law
58-22-21(b)

EXHIBIT A

DEVELOPMENTAL PLAN
Bluff #15 Well
T-39-S, R-23-E, SLM
Section: 28
660' FSL & 2060' FWL
San Juan County, Utah

1. Existing roads are shown on Exhibit E.
Plan to improve existing roads as follows: Plan to build 2 miles of access road from top of overlooking mesa to location.
2. Planned access road(s) are shown on Exhibit E.
 - A. New or reconstructed roads(s), if any, were centerline-flagged at the time of location staking.
 - B. Access road does cross Indian land.
3. Location of existing wells is shown on Exhibit F.
4. Location of existing and/or proposed facilities
 - A. Existing facilities owned or controlled by lessee/operator are shown on Exhibit F.
 - B. New facilities, in the event of production, are shown on Exhibit F.
Construction materials and methods: Materials obtained on site; work to be performed with a bulldozer.
Protective measures and devices to protect livestock and wildlife: As Required.
 - C. Plan for rehabilitation of disturbed areas no longer needed for operations after construction completed: As Required.
5. ☒ Location and Type of Water Supply
 - A. Location and type of water supply: San Juan River
 - B. Method of transporting water: Water Truck.
 - C. Water well is not to be drilled on lease.
6. Source of Construction Materials
 - A. Materials are to be obtained on location.
 - B. These materials are from Indian land.
 - C. These materials are to be used as follows: Level locations, build pits, construct roadway to location.
7. Methods for Handling Waste Disposal
 - A. Waste materials will be contained/disposed of as follows:
 - 1) Cuttings: Reserve Pit.
 - 2) Drilling fluids: Reserve Pit.
 - 3) Produced fluids (oil, water): Reserve Pit.
 - 4) Sewage: Drilling Contractor will provide facilities.
 - 5) Drilling contractor will provide a portable trash pit.
 - 6) Operator will be responsible for proper cleanup when the rig is moved.
 - 7) Reserve pits will be fenced on three sides during the drilling operations and on four sides when the rig is moved from location.

8. Ancillary facilities: No permanent camp is planned; a trailer house will be used on location while drilling. No airstrip is planned.
9. Well site layout is shown on Exhibit C.
Pits are to be unlined.
10. Plans for restoration of surface upon completion of operations:
A. Location will be leveled, recontoured, and restored as needed.
B. Revegetation and rehabilitation, including abandoned access roads, will be completed per instructions from the surface management agency.
C. Prior to rig release, pits will be fenced and so maintained until cleanup.
D. If oil is on the pit, it will be removed or overhead flagging will be installed.
E. Rehabilitation operations will be commenced as soon as physically possible and completed soon thereafter.
11. Other information
A. General description of:
1) Topography: Situated on Rise within McCracken Mesa; rolling sandy hills with sandstone outcrops.
2) Soil characteristics: Sandy -- exposed sandstone outcrops.
3) Geologic features: See Operations Plan, Exhibit B
4) Flora and fauna: Salt bush and bunch grass, black brush.
B. Other surface use activities of all involved lands: sheep grazing.
C. Proximity of:
1) Water: 19 miles by road to river.
2) Occupied dwellings: 2½ miles North.
3) Archeological: See Archeological Report.
4) Historical or cultural sites: Hovenweep National Monument.

12. Lessee's or Operator's Representative

Sherman E. Dugan
Dugan Production Corp.
P.O. Box 208
Farmington, NM 87499

13. Certification: The following statement must be signed by the lessee's or operator's field representative who is identified in Item #12 of this Developmental Plan.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this Plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Dugan Production Corp. and its contractors and subcontractors in conformity with the Plan and the terms and conditions under which it is approved.

By: Sherman E. Dugan
Sherman E. Dugan

Date: 1-6-84

Exhibit B

OPERATIONS PLAN
DUGAN PRODUCTION CORP.

Bluff #15 Well

660' FSL & 2060' FWL, Section 28, T-39-S, R-23-E, SLM

Ismay-Desert Creek formations

San Juan County, Utah

Elevation: 4966' GL

EXPECTED FORMATION TOPS:

Entrada	505'	Lower Ismay Ø	5560' (-585)
Navajo	845'	Desert Creek	5655' (-680)
Wingate	1380'	Zone II Ø	5710'
Chinle	1830'	Zone III Ø	5735'
Coconino	2880'	Base DC	5760'
Organ Rock	2940'	TD	5790' ✓
Hermosa	4690'	(T/Salt)	(5800)
Ismay	5450'		

LOGGING PROGRAM: DIL with Micro SFL - Base sfc csg to TD
GR/FDC - CNL W/F - 4700' to TD
30' - sfc csg to 5400'

Catch Samples every 5' from 5300 feet to total depth.

CASING PROGRAM:

Hole Size	Casing Size	Wt./Ft.	Setting Depth	Grade & Condition
12½"	9 5/8"	47#	260	S-95-N-80 "A"
8 3/4"	7"	23#	5790' ✓	K&N "A"

Cementing Program

Surface - Cement 260' of 9 5/8" casing w/210 sx class "B" w/2% CaCl.
1st Stage 225 sx lite cement followed by 200 sx class B w/10% CaCl and 6½# gilsonite per sack. 680 cu.ft.
2nd Stage - 300 sx. 65-35 - 12% gel followed by 100 sx class B all w/¼# flocele/sk. 904 cu.ft.

WELLHEAD EQUIPMENT: Casing Head - 10" 900 series new
Tubing Head - 10" x 6" 900 series new w/flanged outlets

Dugan Production Corp.

Office 325-1821

Tom Dugan 325-5694

Jim Jacobs 325-8353

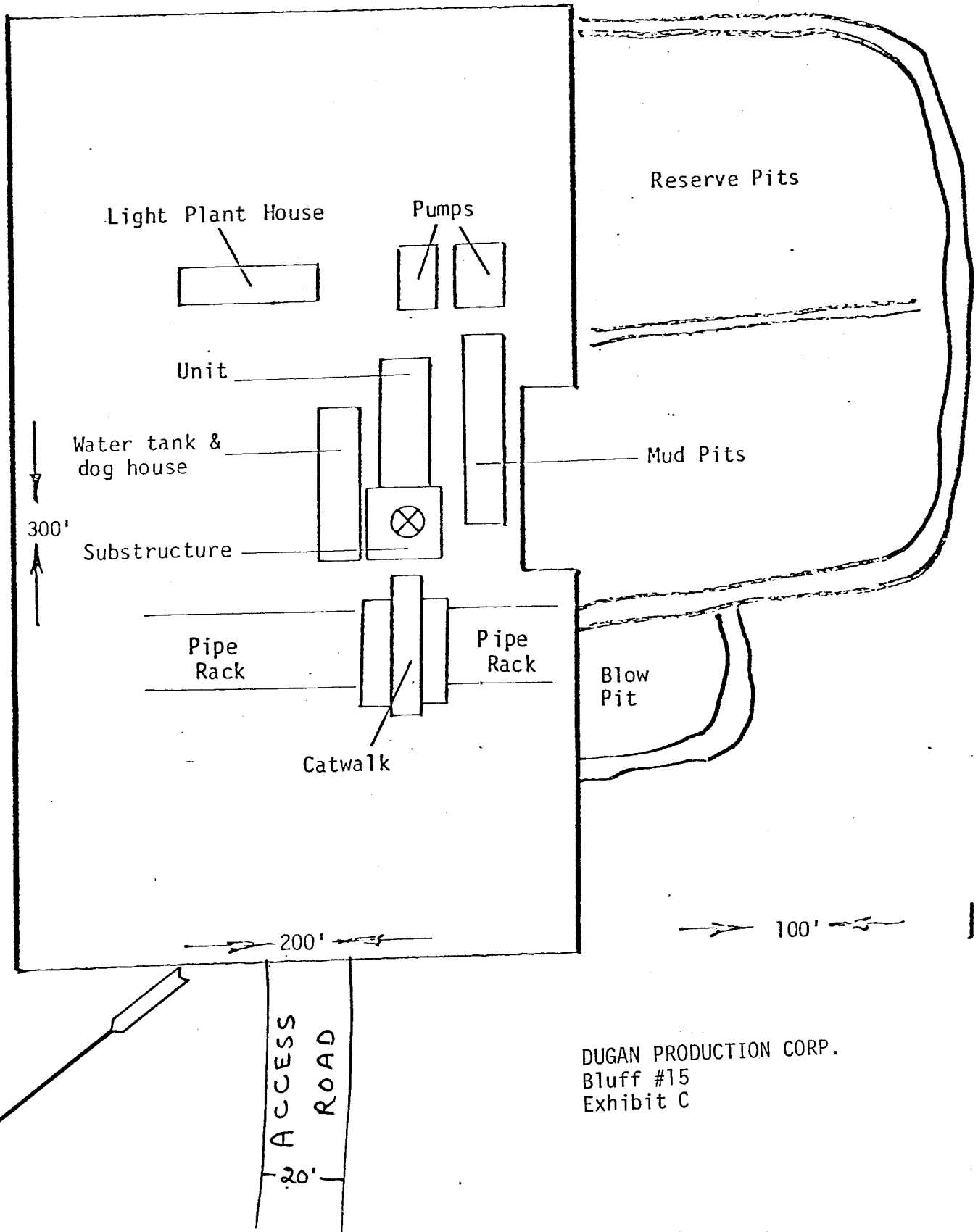
John Roe 326-1034

Sherman Dugan, Geo 327-4287

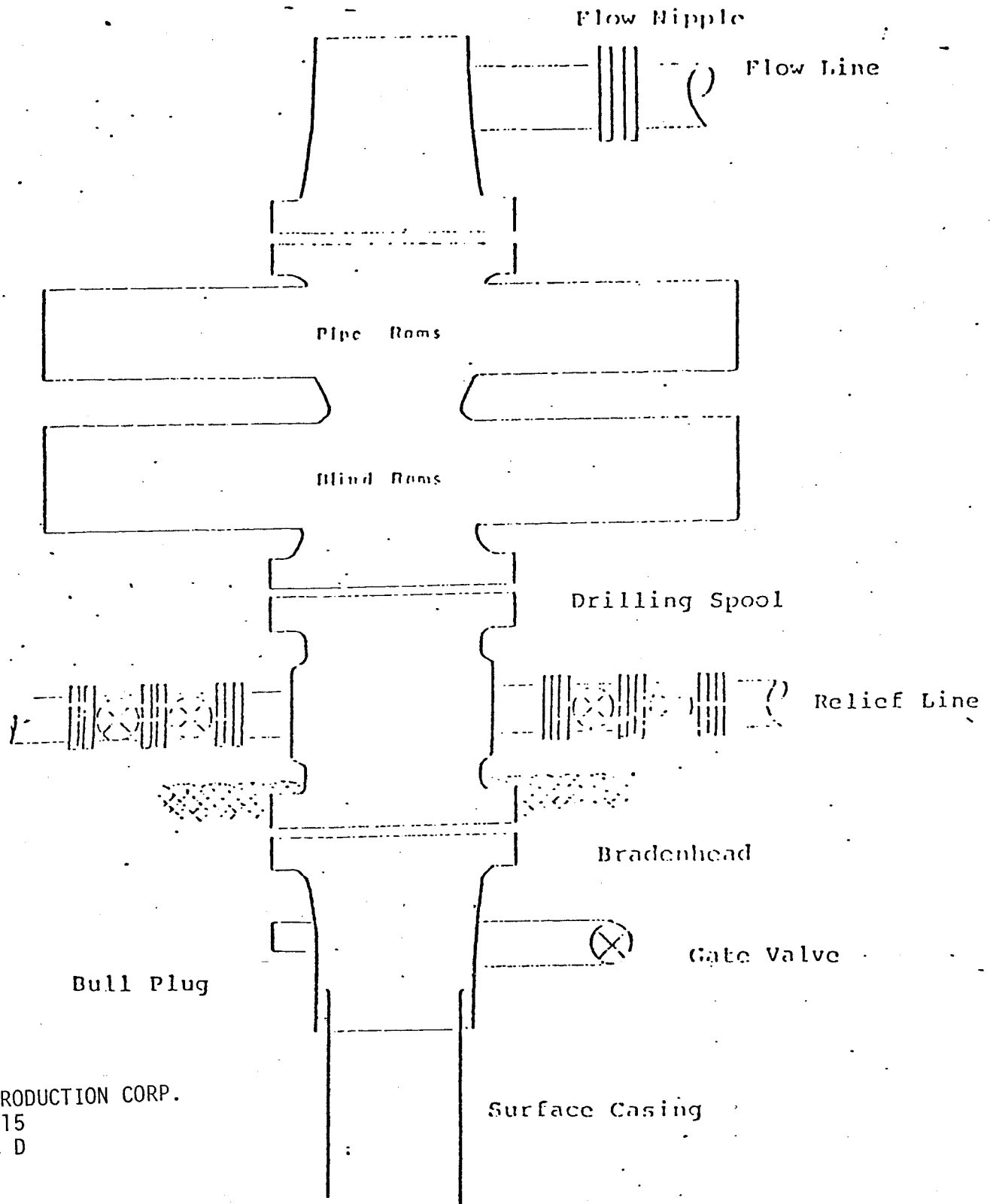
Kurt Fagrelus, Geo 334-7142

Radio Dispatch 327-2676

TYPICAL LOCATION
FOR
ISMAY-DESERK CREEK
WELL



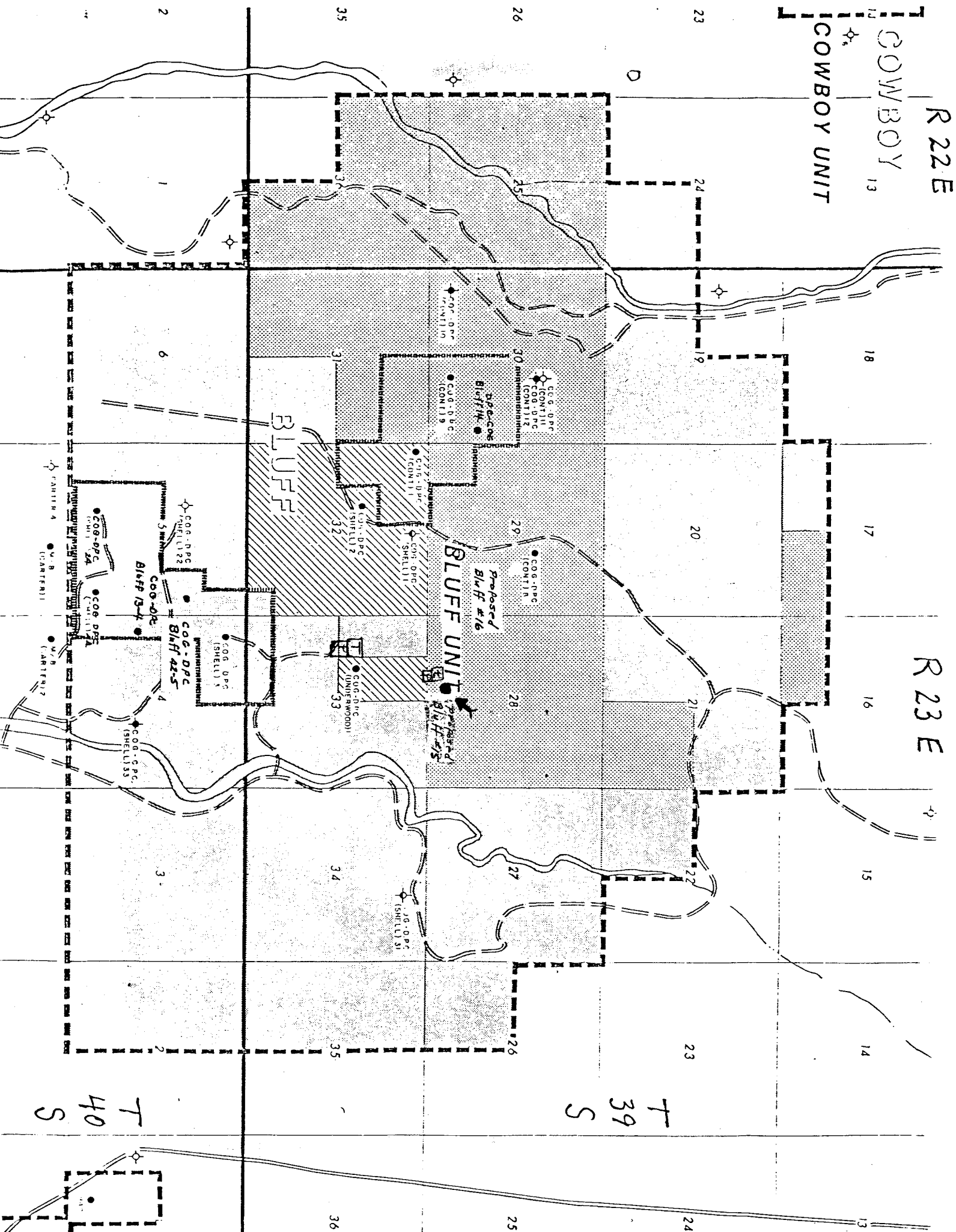
TYPICAL BOP INSTALLATION
FOR ISMAY-DESERK CREEK WELL



DUGAN PRODUCTION CORP.
Bluff #15
Exhibit D

Series 900 Double Gate BOP, rated
at 3000 psi Working Pressure

When gas drilling operations begin a Shaffer type
50 or equivalent rotating head is installed on top of
the flow nipple and the flow line is converted into
a blowie line.



DUGAN PRODUCTION CORP. Bluff #15

Location of Existing Wells

Exhibit F

Location of Facilities

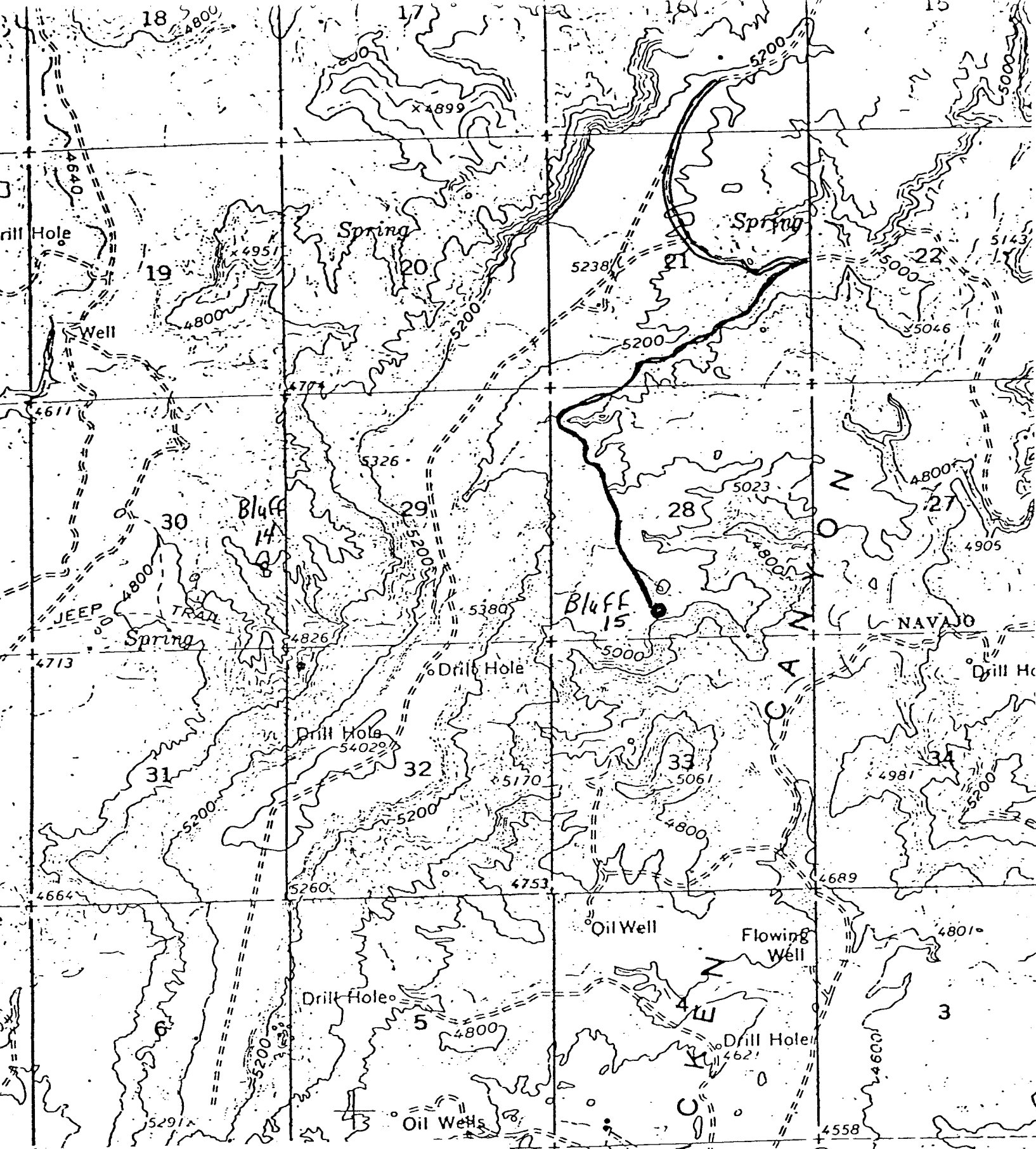
Exhibit F Existing Propds

Water wells	None	
Abandoned wells	None	
Temporarily abandoned wells	None	
Disposal wells	None	
Drilling wells	Proposed Bluff #16	
Producing wells		
Shut-in wells	None	
Injection wells	None	

Tank batteries	
Production facilities	
Oil gathering lines	
Gas gathering lines	
Injection lines	
Disposal lines	

None	
None	
None	
None	

[* indicates buried line]



Planned Access Road(s) Exhibit E

Width 20' Maximum grades 5%
 Drainage design _____
 Cuts & Fills none
 Surfacing material on sight
 Turnouts none
 Culverts none
 Gates none
 Cattleguards none
 Fence cuts none

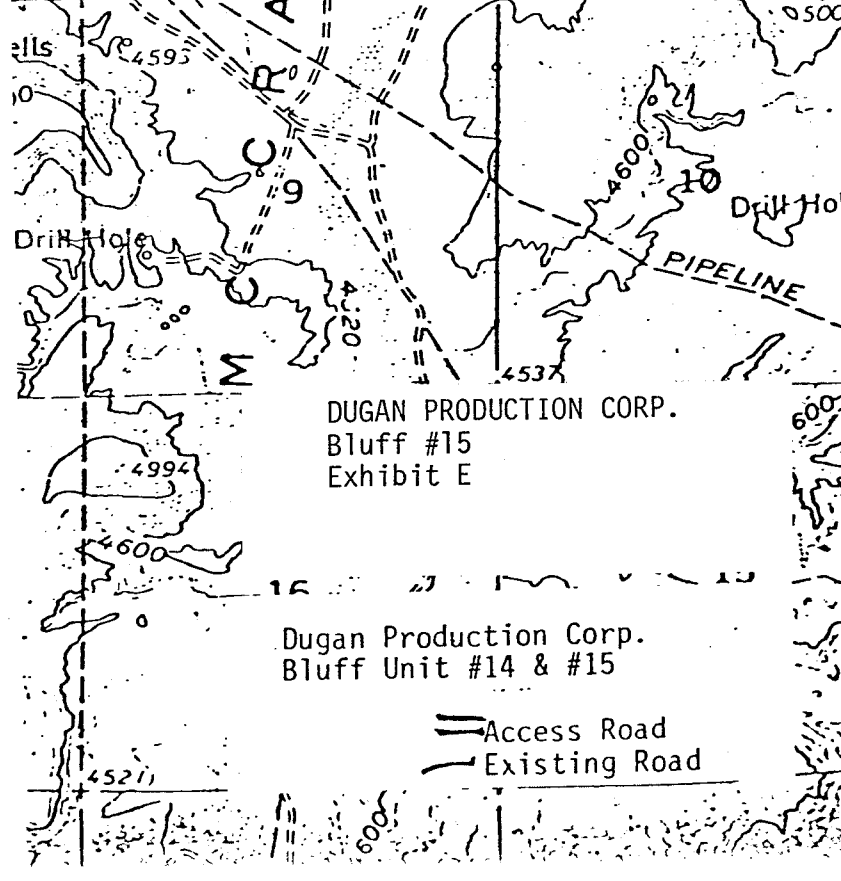
Existing Roads Exhibit E

Distance from nearest town or reference pt.
15 mi. NW of Montezuma Creek, UT

Type of surface dirt

Conditions good

Other _____



DUGAN PRODUCTION CORP.
 Bluff #15
 Exhibit E

Dugan Production Corp.
 Bluff Unit #14 & #15

— Access Road
 — Existing Road



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

February 21, 1985

Bureau of Land Management
Branch of Fluid Minerals
P O Box 970
Moab, Utah 84532

Attention: Ms. Carol Fruediger

Gentlemen:

Re: Well No. Bluff Unit 15 - Sec. 28, T. 29S., R. 23E
San Juan County, Utah - API #43-037-30979 - Lease #SL 067701
Operator of Record - Dugan Production Corporation

The above referred to well in your district was given federal approval to drill December 21, 1984. This office has not received notification of any activity on this location.

Please let me know what action, if any, the Bureau of Land Management is taking on this well.

Thank you for your help in keeping our records up to date.

Sincerely,

Claudia L. Jones

Claudia L. Jones
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File
0087S/63



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Moab District
P. O. Box 970
Moab, Utah 84532

IN REPLY REFER TO

3162 (U-065)
(SL-067701)
(U-21129)
(U-04967-C)

RECEIVED

MAR 07 1985

05 MAR 1985

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

**DIVISION OF OIL
GAS & MINING**

Attention: Claudia L. Jones

Re: Requests on Status of Wells

Gentlemen:

We are replying to your requests for status on the following wells:

- 1) Dugan Production Corporation
Well No. Bluff Unit 15
Sec. 28, T. 39 S., R. 23 E.
Lease SL-067701

The APD was approved December 21, 1984. We show no activity on the above location. Their approval is in effect until December 21, 1985.

- 2) F-L Energy
Well No. Federal 1-20
Sec. 20, T. 15 S., R. 9 E.
Lease U-21129

We show no activity at this location.

- 3) Fortune Oil Company
Well No. Federal 77-31
Sec. 21, T. 15½ S., R. 25 E.
Lease U-04967-C

On Sundry Notice accepted February 2, 1984, the Company advised the subject well remained a location only. They anticipated drilling operations to be conducted during the spring/summer of 84.



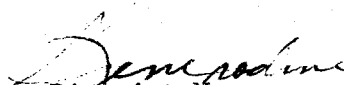
Save Energy and You Serve America!

- 4) ARCO Oil and Gas Company
Well No. English WN-38
Sec. 21, T. 43 S., R. 22 E.
Lease I-149-IND-7180

We are returning your request. This well is handled by the Bureau of Land Management, Farmington Resource Area, Caller Service 4104, Farmington, NM 87499.

If you have any questions, please contact the Branch of Fluid Minerals (801) 259-6111.

Sincerely,


District Manager

Enclosures:
2-Sundry Notices
2-Letters

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-037-30979

NAME OF COMPANY: Dugan ProductionWELL NAME: Bluff Unit #15SECTION SE SW 28 TOWNSHIP 39S RANGE 23E COUNTY San JuanDRILLING CONTRACTOR Four Corners DrillingRIG # 9SPUDED: DATE 4-2-85TIME 2:00 PMHOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Jim JacobsTELEPHONE # 505-325-1821DATE 4-2-85 SIGNED GL/SB



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 9, 1986

Dugan Production Corp.
P.O. Box 208
Farmington, New Mexico 87499

Gentlemen:

Re: Well No. Bluff Unit #15 - Sec. 28, T. 39S., R. 23E.,
San Juan County, Utah - API #43-037-30979

Rule 312 of the Oil and Gas Conservation General Rules requires that Form DOGM-3 "Well Completion or Recompletion Report and Log", along with copies of logs and tests run, be filed with this office not later than 90 days after well completion and plugging for abandonment.

Please complete and return the enclosed Form DOGM-3 or the equivalent federal form, including copies of logs and tests which may have been run on the referenced well, not later than June 23, 1986. Address the response to:

Utah Division of Oil, Gas, and Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout
Records Manager

pk

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
Well File
Suspense File

5 BLM, Moab

1 Century

1 Tenneco

SUBMIT IN DUPLICATE

Form approved 1 File 1 MW
Budget Bureau No. 1004-0137
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See instructions on
reverse side)

5. LEASE DESIGNATION AND SERIAL NO. 1 BIA (Carlos Salazar)
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒

b. TYPE OF COMPLETION:
NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

2. NAME OF OPERATOR
DUGAN PRODUCTION CORP.

3. ADDRESS OF OPERATOR
P O Box 208, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 660' FSL - 2060' FWL

At top prod. interval reported below

At total depth

DIVISION OF
OIL, GAS & MINING

14. PERMIT NO. 43-031-30979
DATE ISSUED 12-21-84

7. UNIT AGREEMENT NAME

Bluff Unit

8. FARM OR LEASE NAME

Bluff

9. WELL NO.

15

10. FIELD AND POOL, OR WILDCAT

Undes. Desert Creek-Ismay

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 28, T39S, R23E, SLM

12. COUNTY OR PARISH
San Juan

13. STATE
UTAH

15. DATE SPUDDED
4-2-85

16. DATE T.D. REACHED
4-15-85

17. DATE COMPL. (Ready to prod.)
P & A - 4-16-85

18. ELEVATIONS (OF. RKB, RT, GB, ETC.)*
5056' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD
5835'

21. PLUG, BACK T.D., MD & TVD
NA

22. IF MULTIPLE COMPL., HOW MANY*
NA

23. INTERVALS DRILLED BY
TD

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

NA - P & A

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL; GR-CDL-CNL

25. WAS DIRECTIONAL SURVEY MADE

No

27. WAS WELL CORED
No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8" OD	24#	314' RKB	12 1/4"	206.5 cf class "B" + 2% CaCl	---
No other casing set.				Cement plugs:	
				70.8 cf 214'-414', 35.4 cf 4500'-4604',	
				35.4 cf 5465'-5570'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
None		

31. PERFORATION RECORD (Interval, size and number)

NA

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	None

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
NA - P & A								
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jim L. Jacobs

TITLE Geologist

DATE 4-19-85

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Navajo	960'	
				Wingate	1408'	
				Chinle	1553'	
				Shinarump	2655'	
				Moenkopi	2717'	
				Cutler	2830'	
				Cococino	2972'	
				Organ Rock	3027'	
				Hermosa	4554'	
				Ismay	5520'	
				Gothic Sand	5677'	
				Desert Creek	5700'	

ATTACHMENT B

Review of 1985 and Proposed 1986 Drilling and Well Workover Bluff Unit San Juan County, Utah

DRILLING

1. Dugan Production Corp. - Bluff Unit No. 15, located in the SE/4 SW/4 of Section 28, T39S, R23E, SLM, was spudded on April 2, 1985, and drilled to 5835', penetrating the salt section at the base of the Desert Creek formation. A mud log, Dual Induction and Gamma Ray-Compensated Neutron-Formation Density logs were recorded, and the hole plugged and abandoned on April 16, 1985. ✓
2. No drilling is planned by Dugan Production Corp. or Columbus Energy Corp. during 1986.

WELL WORKOVER

1. Dugan Production Corp. - Bluff Unit No. 8, located in the SW/4 NE/4 of Section 29, T39S, R23E, SLM, was plugged and abandoned on August 17, 1985.
2. Dugan Production Corp. - Bluff Unit No. 12, located in the SW/4 NE/4 of Section 30, T39S, R23E, is proposed to be converted from T.A. status to producing status, or plugged and abandoned, pending results of proposed testing, which is pending approval by working interest owners. This work should begin during April, 1986.
3. Dugan Production Corp. and Columbus Energy Corp. - Painted surface facilities and pumping units throughout the two areas of operation in the Bluff Unit during 1985, as demanded by the BLM.
4. Dugan Production Corp. - No other well work is planned for 1986. It is our intention to maintain existing production operations.
5. Columbus Energy Corp. - Effective January 29, 1985, Consolidated Oil & Gas Inc. changed their name to Columbus Energy Corp. Their mailing address and staff remain unchanged. During 1985, no well work was performed, and during 1986, Columbus plans to maintain existing operations, with no additional well work anticipated.